(i) Claims

- 1. A multi-layer security product, comprising
- a printable carrier material (1) firmly joined to at least one plastic coating which is extruded onto the carrier material and which contains laser-active pigments; and

at least one covering film (17, 18), laminated onto the carrier material.

- 2. The multi-layer security product of claim 1, wherein the laser-active pigments can be excited substantially by laser radiation of a specific wavelength.
- 3. The multi-layer security product of claim 1, wherein the carrier material is comprised of paper or plastic.
- 4. The multi-layer security product of claim 1, further comprising security features, such as watermarks and/or mottled fibers on the carrier material.
- 5. The multi-layer security product of claim 1, wherein the covering film contains laser-active pigments.
- 6. The multi-layer security product of claim 1, wherein the plastic coating has embossing.
- 7. The multi-layer security product of claim 1, wherein the plastic coating is printed.
- 8. A process for the production of multi-layer security products said process comprising the steps of:

providing /a printable carrier material as a rolled

material:

extruding at least one plastic coating which contains laser-active pigments onto the carrier material; and

subsequently leading together highly accurately the carrier material with the plastic coating and (b) the covering film (17, 18).

- 9. The process of claim 8, wherein the carrier material with the plastic coating is rolled material and further providing the step of unwinding the rolled material after lamination.
- 10. The process of claim 8, further providing the step of stamping out individual blanks after the lamination with the covering film.
- 11. The process of claim 8, further providing the step of printing the carrier material in a single-stage or multi-stage process before the coating of the carrier material with the plastic coating
- 12. The process of claim 8, further providing the step of printing and/or embossing the plastic coating before the carrier material with the plastic coating is led together with the covering film and laminated.
- 13. The process of claim 8, wherein the carrier material comprises paper or plastic.
- 14. The process of claim 8, wherein the carrier material is equipped with security features, such as watermarks and/or

mottled fibers.

- 15. The process of claim 8, wherein the covering film contains laser-active pigments.
- 16. The process of claims 8, wherein security features are produced in the plastic coating and/or the covering film by activating the laser-active pigments with laser radiation of specific wavelength matched to the laser-active pigment used.
- 17. The process of claim 16, wherein the security features produced by laser cannot at least to some extent, be personalized.
- 18. The process of claim 16, wherein the production of security features by laser in the plastic coating is carried out after the application of the plastic coating by extrusion and/or after the lamination of the at least one covering film.

